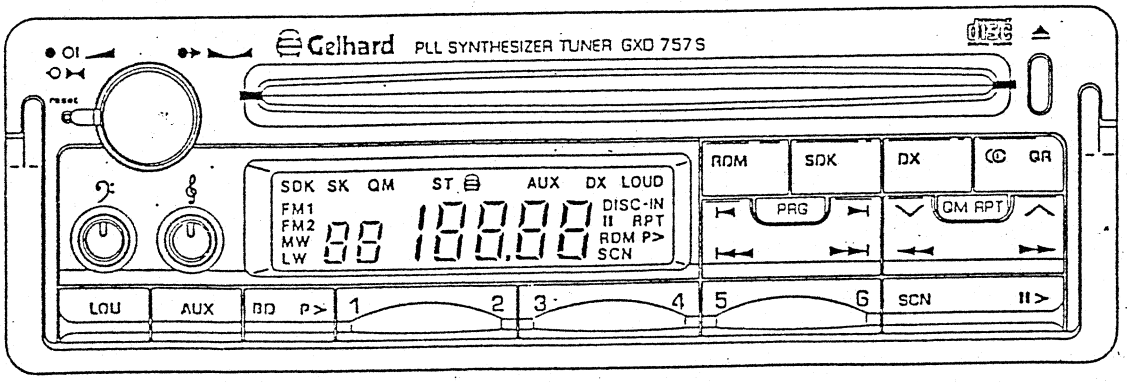
SERVICE MANUAL

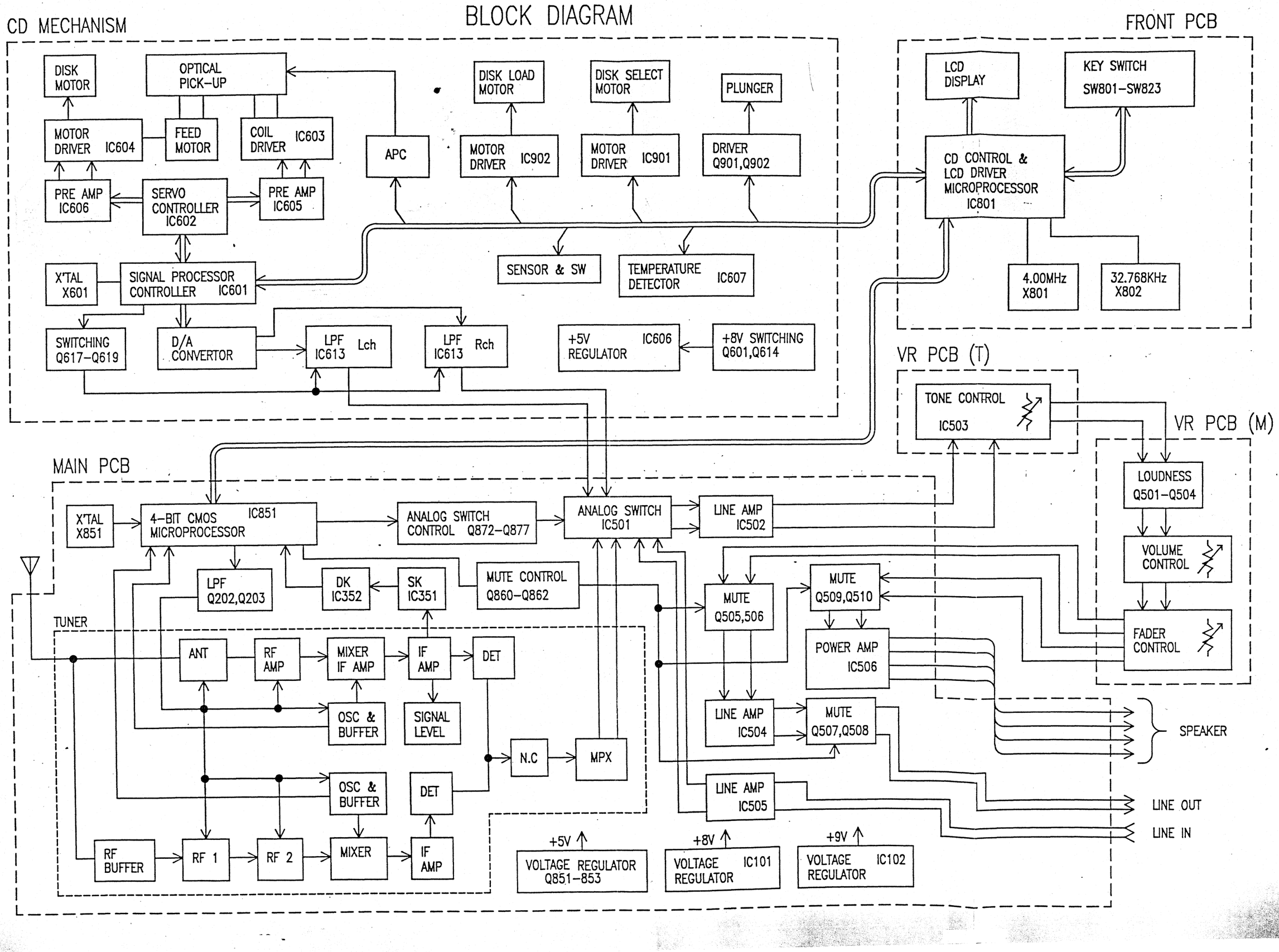
GXD 757S

HIGH POWER CD PLAYER,WITH
PLL SYNTHESIZED
MW/LW/FM-STEREO/SDK RADIO
QUICK MEMO,RAMDOM PLAY
PROGRAM PLAY,REPEAT
QUICK RETURN,FUNCTION



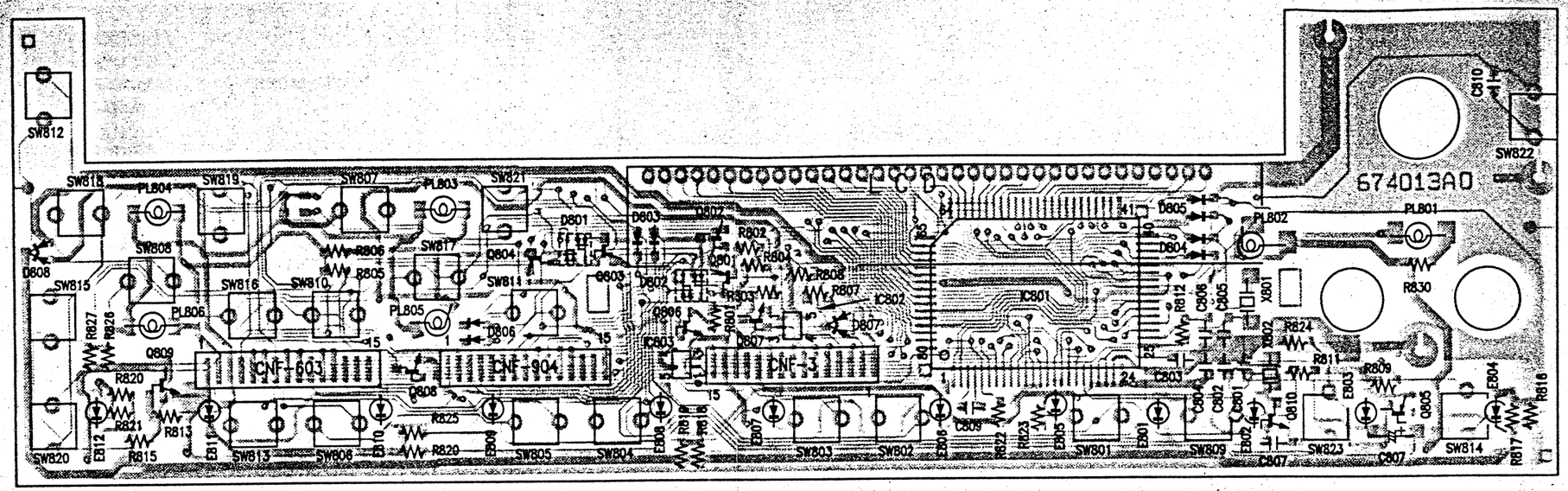
Gelhard®
West Germany

BLOCK DIAGRAM

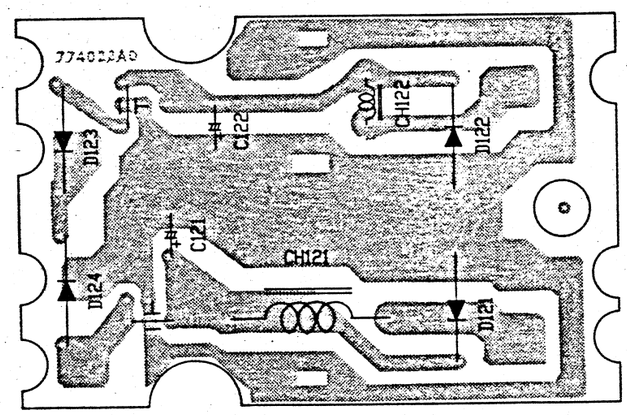


P. C. BORDS (BOTTOM VIEW)

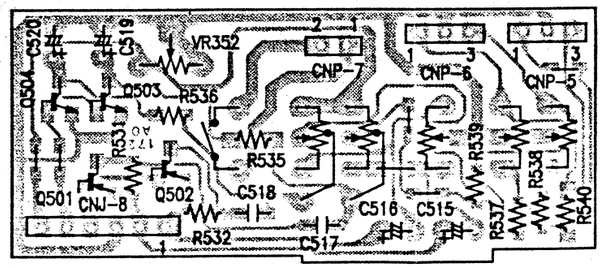
FRONT PCB



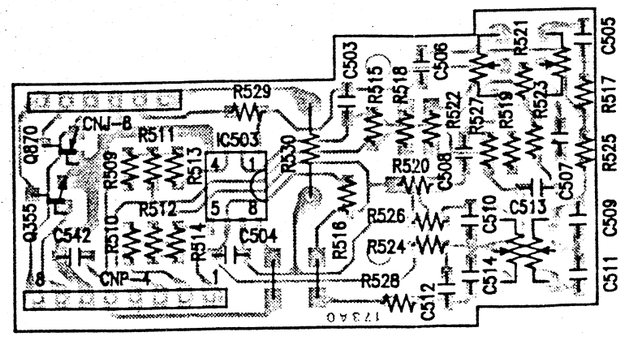
PS PCB



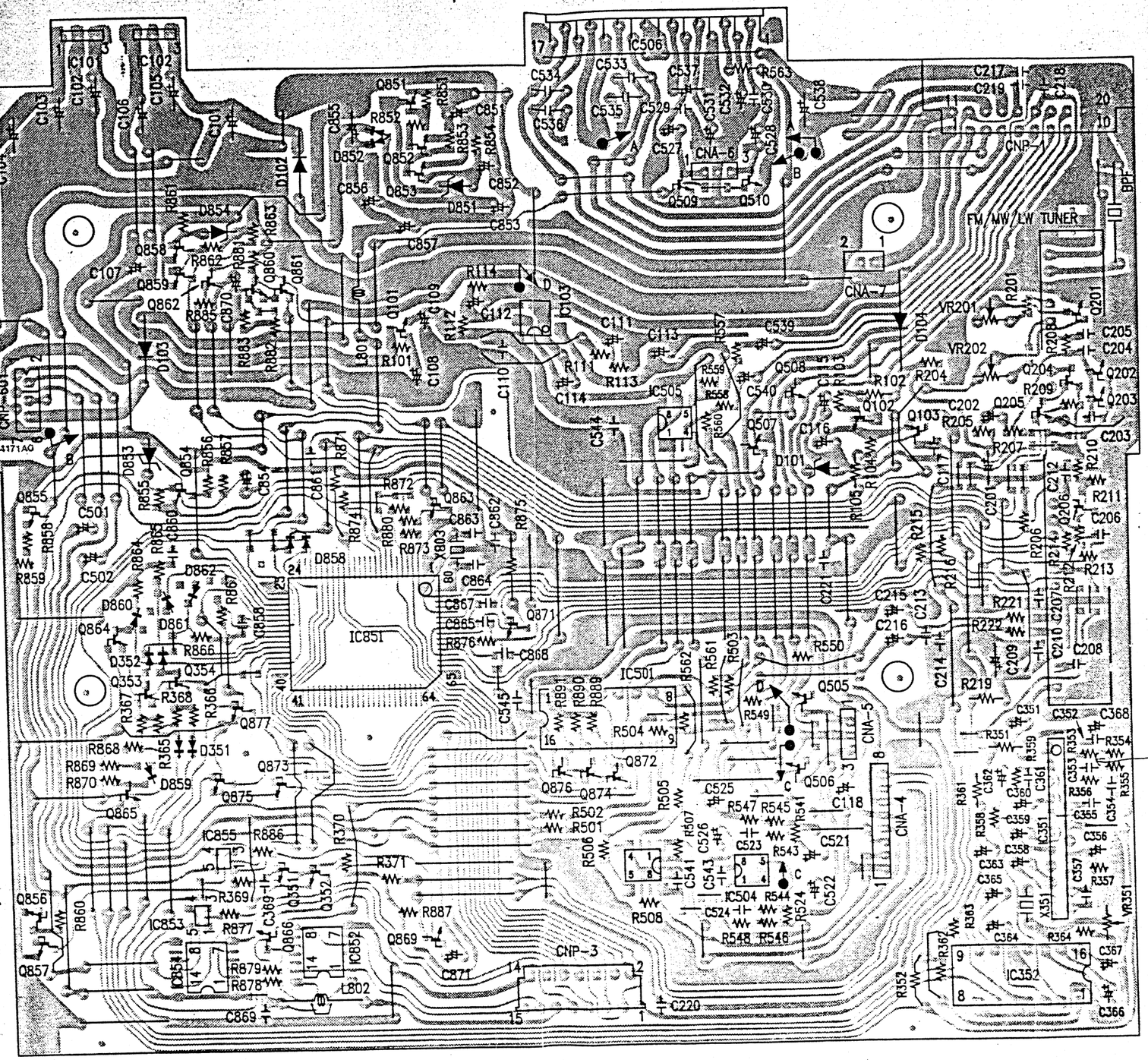
VR (M) PCB



VR (T) PCB

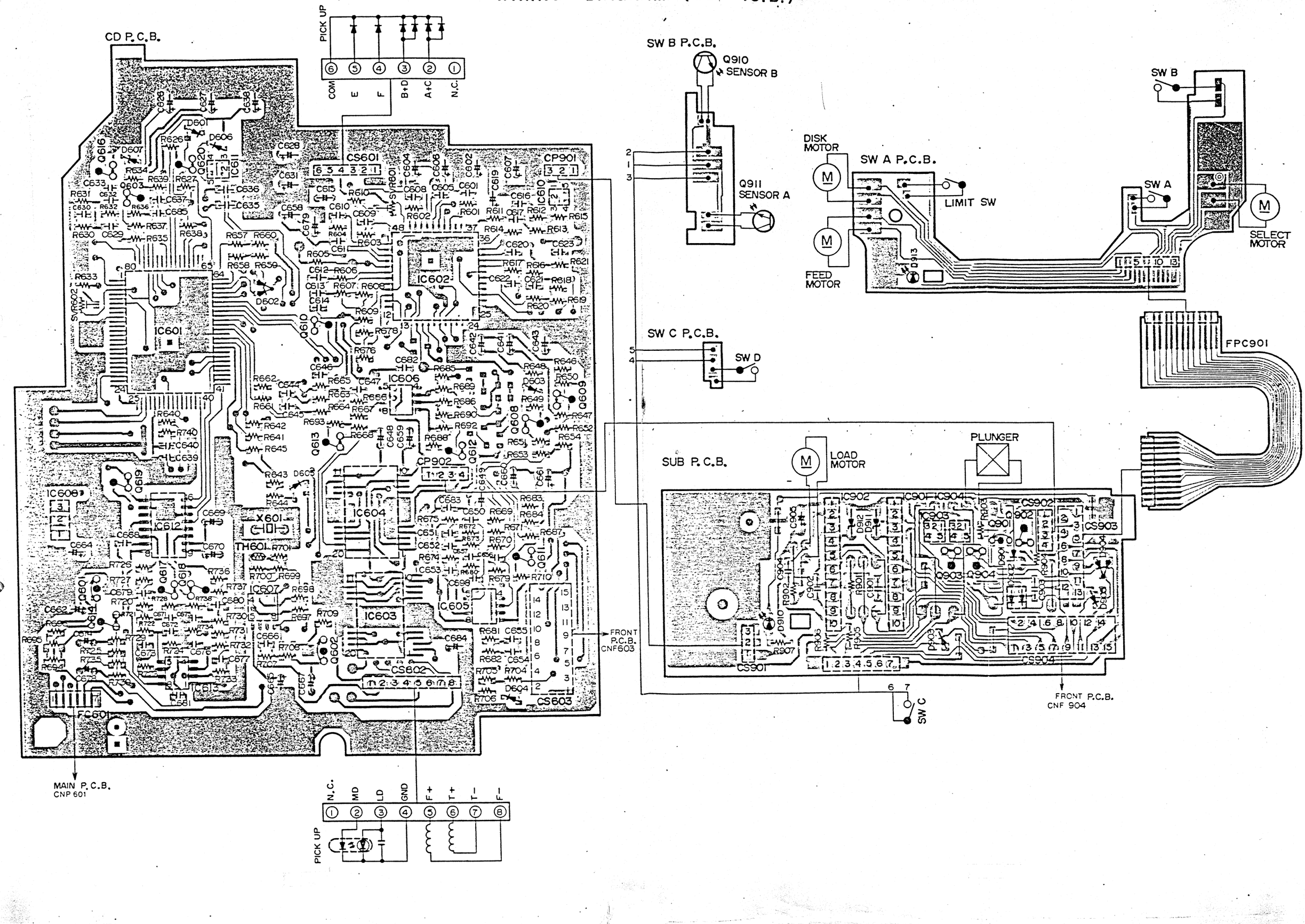


MAIN PCB

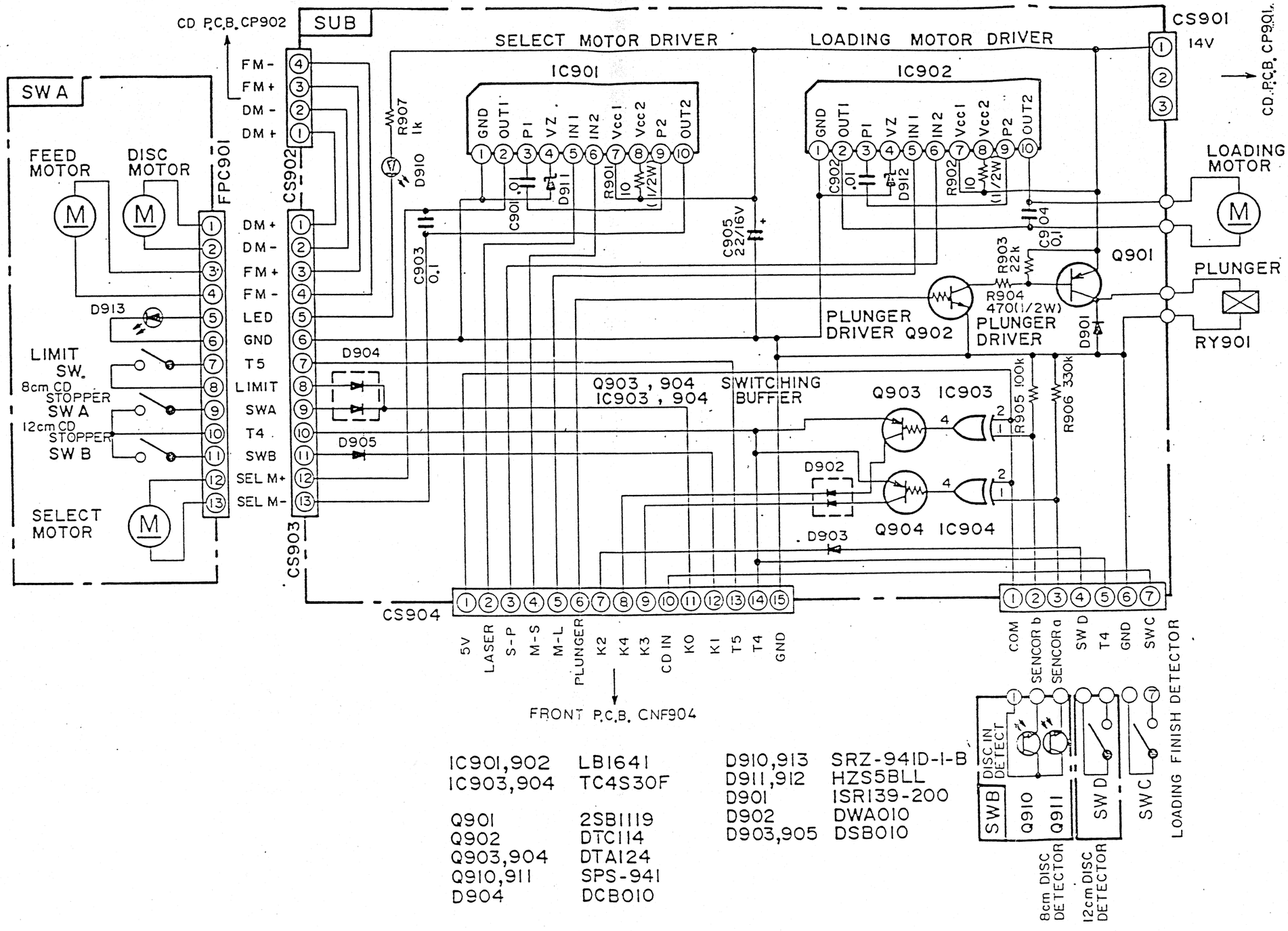


R-353 ändern in 470Ω

WIRING DIAGRAM (CD P.C.B.)



SCHEMATIC DIAGRAM (SUB, SWA/B/C)



IC901,902	LB1641	D910,913	SRZ-941D-1-B
IC903,904	TC4S30F	D911,912	HZS5BLL
		D901	ISR139-200
Q901	2SB1119	D902	DWA010
Q902	DTC114	D903,905	DSB010
Q903,904	DTA124		
Q910,911	SPS-941		
D904	DCB010		

MAIN PCB

EST-2651

ANT AM
ANT FM
GND
LO/DX FM
LO/DX AM
VT
MW/LW
FM+B
FM/AM
VSM
OSC FM
OSC AM
NC
ST IND
IF
GND
L
R
Vcc
SD
SK

IC851
LC7230-8309
REQ
CE1
RES
ADC
FM IF
125Hz
SD
VDD
FM OSC
AM OSC
VSS
EO1
EO2
TEST
XO
XOUT
CD IN
CE3
AUX IN
MUTE IN
FM
AN
LW
VF
CD+B
CS
CLK
DO
DI
DATAI
SCK
REQ
ACK
DATAO
CD+B
RA+B
AUX+B
LOUD
MUTE
AUX+B
DK
K0
K1
K2
K3
-VDD
TO
T1
T2
LO/DX
ST/MO

IC352
LA3361

IC351
LA2220

IC501
TC9145P
COM-B
SIG-B3
SIG-B2
SIG-B1
SEL-3
SEL-2
SEL-1
VDD
COM-A
SIG-A3
SIG-A2
SIG-A1
LED-3
LED-2
LED-1
VSS

IC103 NJM4556
IC504 NJM4565
IC505 NJM4565
IC502 NJM4565
IC854 TC74HC74
IC852 TC74HC00
IC853 TC4584F
IC855 TC4581F
IC506 TA8210AH
IC102 7809
IC101 7808

CNP-3
DIMMER
LOADING-F
REQ
MUTE
DATA OUT
SCK
CD IN
ACK
RESET
DATA IN
+5V
AUX
Seg OUT
GND
Seg IN

CNP-1
ACC | GND
B.UP | REMOTE
L+ | L-
R+ | R-
DIMMER | NC(REMOTE)
L(LINE IN) | NC(DIMMER)
L(LINE OUT) | R(LINE IN)
R(LINE OUT) | GND(LINE IN)
NC(GND) | GND(LINE IN)
ANT | ANT GND

CNP-601
RCH(CD)
GND(CD)
LCH(CD)
+8V
B.UP
ACC
GND

CNA-4
Vref(R)
RCH
Vref(L)
LCH
+9V
GND
DK
LOUD

CNA-5
LCH
GND
RCH

CNA-6
LCH
GND
RCH

CNA-7
ACC
REMOTE

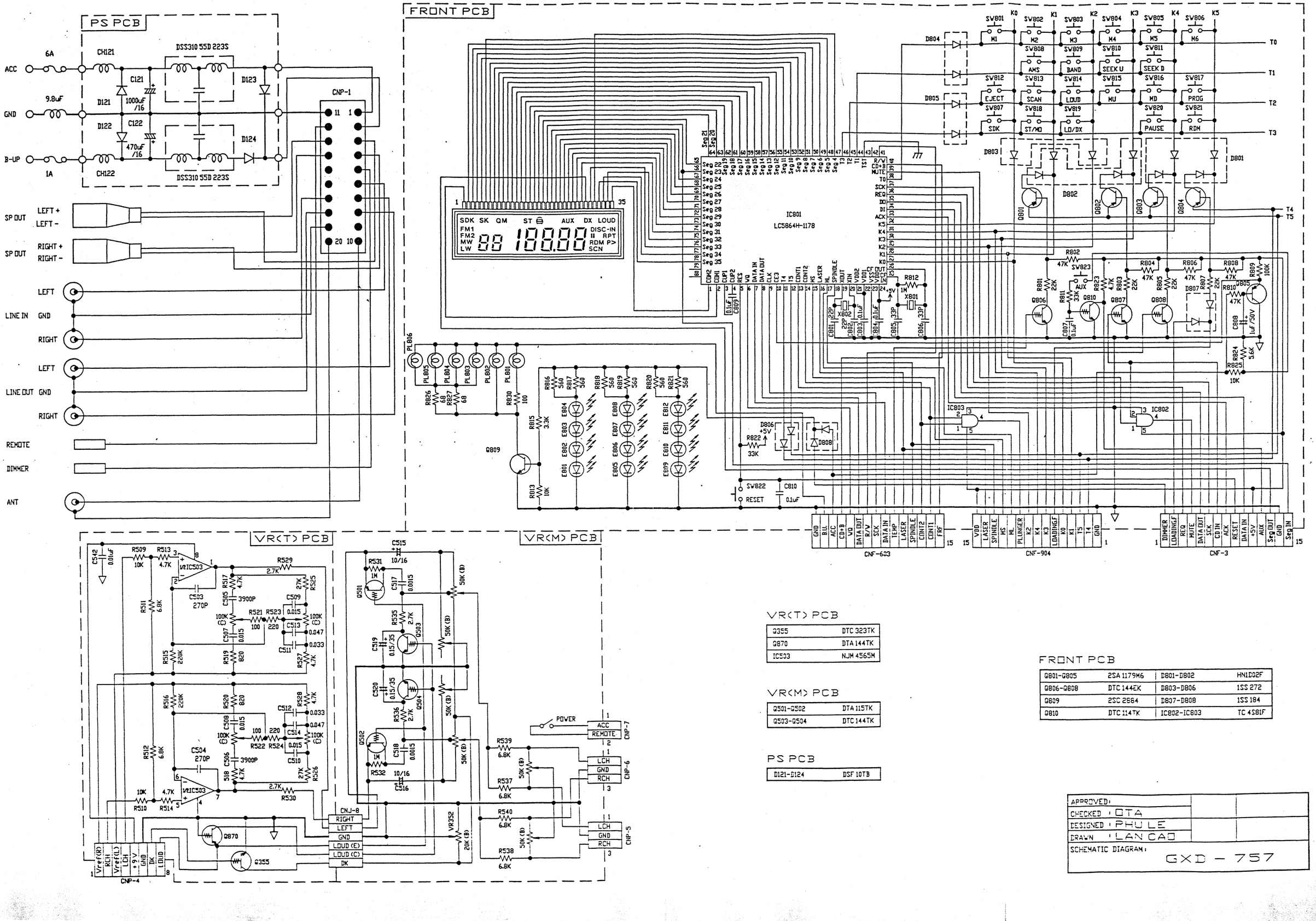
MECHA Ass'Y

Q103, Q353, 354, Q864	2SA1179
Q101, Q202, 203, Q855, 856	2SC2812
Q851	2SA1736
Q102	2SC4541
Q208, Q854, Q862	DTA114TK
Q872, Q874, Q876	DTA114YK
Q204	DTA143XK
Q861	DTA144TK
Q201, Q351, 352, Q852, 853, Q857, Q858, 859, 860, Q865	DTC114TK
Q205, Q871	DTC114YK
Q866	DTC124TK
Q873, Q875, Q877	DTC124XK
Q863	DTC144TK
Q505 ~ Q510	DTC323TK

Q869	DTC144WK
D852	1SS181
D858	1SS184
D860, D862	1SS193
D859, D861	1SS196
D351, 352	1SS272
D851	GZS 5.1Y
D853, 854	GZS3.0Z
D101	GZS 9.1Y
D102~104, D121~124	DSF10TB

APPROVED		
CHECKED	SASAKI	
DESIGNED	KITA	
DRAWN 91.9.9	INAYAMA	
SCHEMATIC DIAGRAM	GXD-757	

SCHEMATIC DIAGRAM



VR(T) PCB

Q355	DTC 323TK
Q870	DTA 144TK
IC503	NJM 4565M

VR(M) PCB

Q501-Q502	DTA 115TK
Q503-Q504	DTC 144TK

PS PCB

D121-D124	DSF 10TB

FRONT PCB

Q801-Q805	2SA 1179M6	D801-D802	HN1D02F
Q806-Q808	DTC 144EK	D803-D806	1SS 272
Q809	2SC 2864	D807-D808	1SS 184
Q810	DTC 114TK	IC802-IC803	TC 4S81F

APPROVED:		
CHECKED : OTA		
DESIGNED : PHU LE		
DRAWN : LAN CAO		
SCHEMATIC DIAGRAM: GXD - 757		

SCHEMATIC DIAGRAM (CD)

CD

IC601 YM7121B
IC602 LA9200NM
IC603,604 TA8192F
IC605,607 NJM2904M
IC606 NJM4558M
IC608 L78M05T
IC610 TC7SU04F
IC611 TC4S30F
IC612 μPD6376GS
IC613 LA6358NM

Q601 2SB1119
Q602 2SD1621
Q603,609,620 2SC2812
Q608 2SA1179
Q610,611,612,613 616,617,618 DTC114
Q614 DTC124
Q619 DTA144

D602 DCB010
D603,604,601,606 DSB010
D605 DSC010
D607 DZD4.7Y
TH601 38H102KC

IC610 INVERTOR AMP
IC602 RF/SERVO
IC603 COIL DRIVER
IC604 MOTOR DRIVER
IC606 DISC DRIVER AMP
IC607 APC
IC608 VOLTAGE REGULATOR
IC611 GAIN CONTROL
IC612 D/A CONVERTER
IC613 L.P.F.
IC601 SIGNAL PROCESSOR CONTROLLER (CD μCOM/DECODER)

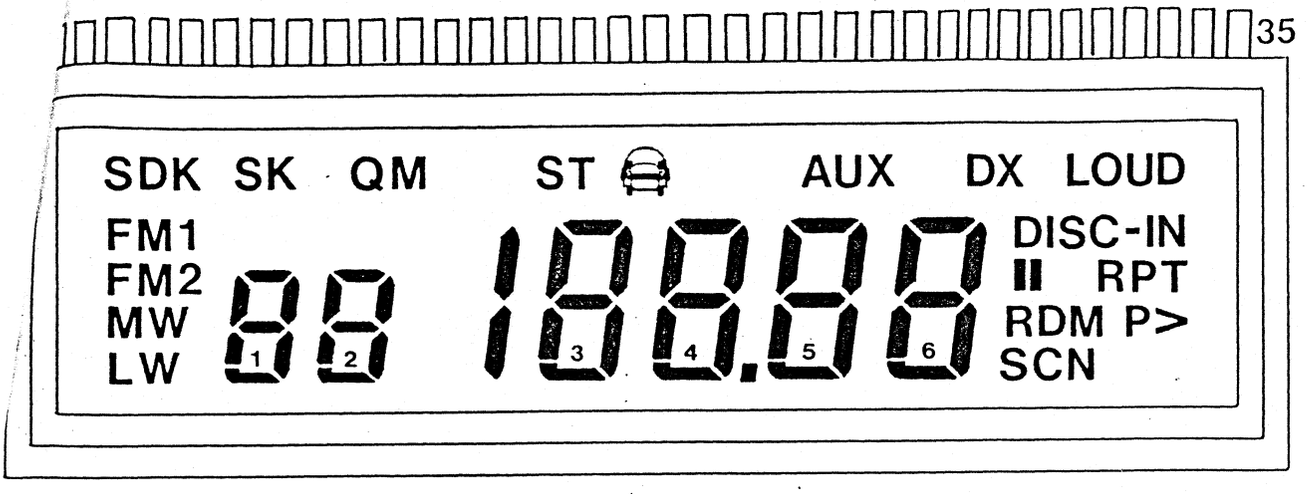
VOLTAGE REGULATOR
TRACKING OFF SWITCHING
FILTER GAIN CONTROL
FOCUS SEARCH GENERATOR
FOCUS COIL DRIVER AMP
TRACKING COIL DRIVER AMP
FEED DRIVER AMP
8cm DISC GAIN CONTROL
FEED GAIN CONTROL
FEED OFF SWITCHING
CD+B SWITCHING
LASER DRIVER
TEMP DETECTOR
DEP. SWITCHING

TO PICK UP CS601
TO PICK UP CS602
TO SUB P.C.B. CP902
TO FRONT P.C.B. (SYSCOM) CNF602 CS603
TO SUB P.C.B. CS901 CP901
TO MAIN P.C.B. CNP601 FC601

16.9344MHz

Test point A* (pin 7 of IC606) and B* (pin 1 of IC606) are not indicated on CD P.C.B.

LCD PIN DESCRIPTION



PIN NO	SEGMENT	
	COM1	COM2
1	COM1	—
2	1E	1D
3	1F	1G
4	1A	1B
5	1C	SK
6	QM	SDK
7	2E	2D
8	2F	2G
9	2A	2B
10	2C	LW
11	FM2	FM1
12	MW	!

PIN NO	SEGMENT	
	COM1	COM2
13	3E	3D
14	3F	3G
15	3A	3B
16	3C	DP
17	4E	4D
18	4F	4G
19	4A	4B
20	4C	—
21	5E	5D
22	5F	5G
23	5A	5B
24	5C	🚗

PIN NO	SEGMENT	
	COM1	COM2
25	6E	6D
26	6F	6G
27	6A	6B
28	6C	—
29	—	AUX
30	P	DX
31	DISC IN	▮▮
32	RPT	LOUD
33	>	SCN
34	RDM	ST
35	—	COM2